Final Bill

13 R - 283/28/8/14.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

From ... To ...

Name of Agency ...

Name of work ...

| Description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|
| | Number | Length | Breadth | Depth | | |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Work Order No:- 010-14-000032. | | | | | | |
| Agreement No:- EE/BTP/KRIDL/W10/469/2013-14 Date 24/02/2014. | | | | | | |
| Estimate No:- 469. Date 21/2/2014. | | | | | | |
| Name of Agency:- # 119, 11th Cross, Sivasthala arched 3rd floor East park road, Malleshwaram Bangalore-560003. | | | | | | |

Contents 7

251361

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | 1) Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m excavated surface levelled and sides neatly | | | | | | |
| | Apoorva Apt OPP Road RHS | 1 | 30.00 | 1.00 | 0.90 = | 27.00Cum | |
| | | 1 | 30.00 | 1.00 | 0.90 = | 27.00Cum | |
| | | 1 | 30.00 | 1.00 | 0.90 = | 27.00Cum | |
| | | 1 | 5.60 | 1.00 | 0.90 = | 5.04Cum | |
| | Apoorva Apt OPP Road LHS | 1 | 30.00 | 1.00 | 0.90 = | 27.00Cum | |
| | | 1 | 30.00 | 1.00 | 0.90 = | 27.00Cum | |
| | | 1 | 30.00 | 1.00 | 0.90 = | 27.00Cum | |
| | | 1 | 5.60 | 1.00 | 0.90 = | 5.04Cum | |
| | Culvert | 1 | 7.20 | 2.00 | 1.20 = | 17.28Cum | |
| | | 1 | 7.00 | 2.00 | 1.20 = | 16.80Cum | |
| | | | | | Total = | 204.60Cum | |

Assistant Executive Engineer

**M. A. R. 57 (Rule 116)**
Measurement Book

**No. B**

251365

From..... To.....

Name of Agency .....

Name of work .....

| Description, etc. of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|
| | Number | Length | Breadth | Depth | | |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | @ Rs 90.72 | | | | Rs 18561.00 | |
| Providing and laying in position Plain cement concrete of mix M 25 with Opt @ [illegible] kgs using 40mm and down size graded granite metal coarse @ 0.85 | | | | | | |
| Off Road RHS | 1 | 30.00 | 1.00 | 0.15 = | 4.50cum | |
| | 1 | 30.00 | 1.00 | 0.15 = | 4.50cum | |
| | 1 | 30.00 | 1.00 | 0.15 = | 4.50cum | |
| | 1 | 5.60 | 1.00 | 0.15 = | 0.84cum | |
| Off Road LHS | 1 | 30.00 | 1.00 | 0.15 = | 4.50cum | |
| | 1 | 30.00 | 1.00 | 0.15 = | 4.50cum | |
| | 1 | 30.00 | 1.00 | 0.15 = | 4.50cum | |

28/8

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Refer to Measu |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Culvert | 1 | 5.60 | 1.00 | 0.15 = | 0.84 cum | |
| | | 1 | 7.20 | 2.00 | 0.15 = | 2.16 cum | |
| | | 1 | 7.00 | 2.00 | 0.15 = | 2.10 cum | |
| | | | | | Total = | 32.70 cum | |
| | | @ Rs 4290.84 | | | | Rs 140310. | |
| 3) | providing and constructing granite/trap/basalt size stone masonary in foundation with cement mortar 1:6 stone hammerd dressed in courses not less than 20cms high, bond stones at two m apart in each course including cost of materials labour. | | | | | | |
| | Culverts | 2 | 7.20 | 0.60 | 0.90 = | 7.78 cum | |
| | | 2 | 7.00 | 0.60 | 0.90 = | 7.560 cum | |
| | | | | | Total = | 15.12 cum | |
| | | @ Rs 3549.86 | | | | Rs 53675.09 | |

Vidyaranyapura Divi
BBMP,

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251366

From ..... To .....

Nature of Agency .....

Commencement of work .....

| Reference to last Measurement 8 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | raised pointing to coursed stone masonary with cement mortar 1:3 mix etc. after raking joints to depth of 20mm nicely lining, including cost of materials, labour curing etc complete as per specifications. | | | | | | |
| | | 2 | 7.20 | | 0.90 = | 12.96 Sqm | |
| | | 2 | 7.00 | | 0.90 = | 12.60 Sqm | |
| | | | | | Total = | 25.20 Sqm | |
| | | @ Rs 77.70 | | | | Rs 1960.00 | |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | 5) providing and laying in position Plain cement concrete of min M15 with cement @ 240kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 Cum and fine aggregates @ 0.459 machine mixed concrete laid in layers not exceeding 15cm thick<br>Culverts | 1 | 7.20 | 1.80 | 0.10 = 1.30 Cum<br>0.10 = 1.26 Cum<br>Total = 2.52 Cum | | |
| | | @ Rs 4779.00 | | | | Rs 12043.00 | |
| | 6) Providing and removing centering shuttering, Strutting, propping etc, and removal of form work for Vertical Surface such as walls of any thickness including attached pilasters<br>Side walls | | | | | | |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

**M. A. R. 57 (Rule 116)**
Measurement Book

**No. B**

251367

From..... To.....

Name of Contractor or nature of Agency .....

Name of work .....

| Description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|
| | Number | Length | Breadth | Depth | | |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Apt opp Road RHS | 4 | 30.00 | | 0.60 = | 72.00 Sqm | |
| | 4 | 30.00 | | 0.60 = | 72.00 Sqm | |
| | 4 | 30.00 | | 0.60 = | 72.00 Sqm | |
| | 4 | 5.60 | | 0.60 = | 13.44 Sqm | |
| Apt opp Road LHS | 4 | 30.00 | | 0.60 = | 72.00 Sqm | |
| | 4 | 30.00 | | 0.60 = | 72.00 Sqm | |
| | 4 | 30.00 | | 0.60 = | 72.00 Sqm | |
| | 4 | 5.60 | | 0.60 = | 13.44 Sqm | |
| Bottom | | | | | | |
| Apt opp Road RHS | 1 | 30.00 | 0.60 | | 18.00 Sqm | |
| | 1 | 30.00 | 0.60 | | = 18.00 Sqm | |
| | 1 | 30.00 | 0.60 | | = 18.00 Sqm | |
| | 1 | 5.60 | 0.60 | | = 3.36 Sqm | |

28/6

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Covering Sides | | | | | | |
| | Approval Apt OPP Road RHS ~~2 HS~~ | 2 | 30.00 | | 0.15 = | 9.00 Sqm | |
| | | 2 | 30.00 | | 0.15 = | 9.00 Sqm | |
| | | 2 | 30.00 | | 0.10 = | 6.00 Sqm | |
| | | 2 | 5.60 | | 0.10 = | 1.12 Sqm | |
| | Culverts | 2 | 30.00 | | 0.10 = | 6.00 Sqm | |
| | | 1 | 7.20 | 0.60 | = | 4.32 Sqm | |
| | | 1 | 7.00 | 0.60 | = | 4.20 Sqm | |
| | | 2 | 7.20 | | 0.23 = | 3.31 Sqm | |
| | | 2 | 7.00 | | 0.23 = | 3.22 Sqm | |
| | | 2x2 | 1.80 | | 0.46 = | 1.66 Sqm | |
| | | | | | Total = | 580.50 Sqm | |
| | | @ Rs | 271.08 | | | Rs | 157362.00 |

Assistant Engineer
Vidyaranyapura Division
BBMP, Bangalore-97

**M. A. R. 57 (Rule 116)**
Measurement Book

**No. B**

251368

..... From..... To.....

..... Nature of Agency .....

..... Name of work .....

| Description etc. of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|
| | Number | Length | Breadth | Depth | | |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Providing and laying in Position reinforced cement concrete of design mix with cement @ 320kgs with 20mm and down size graded granite metal | | | | | | |
| | 1 | 30.00 | 1.00 | 0.15 = | 4.50 cum | |
| | 1 | 30.00 | 1.00 | 0.15 = | 4.50 cum | |
| | 1 | 30.00 | 1.00 | 0.15 = | 4.50 cum | |
| | 1 | 5.60 | 1.00 | 0.15 = | 0.84 cum | |
| | 1 | 30.00 | 1.00 | 0.15 = | 4.50 cum | |
| | 1 | 30.00 | 1.00 | 0.15 = | 4.50 cum | |
| | 1 | 30.00 | 1.00 | 0.15 = | 4.50 cum | |
| | 1 | 5.60 | 1.00 | 0.15 = | 0.84 cum | |

Assistant Executive Engineer
Vijayaranyapura Sub Division
BBMP, Bangalore - 97

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Refe to Measu |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| | **Side walls** | | | | | | |
| | **Apoorva Apt opp Road RHS** | 2 | 30.00 | 0.15 | 0.55 | = 4.95 Cum | |
| | | 2 | 30.00 | 0.15 | 0.60 | = 5.40 Cum | |
| | | 2 | 30.00 | 0.15 | 0.60 | = 5.40 Cum | |
| | **Apoorva Apt opp Road LHS** | 2 | 5.60 | 0.15 | 0.65 | = 1.09 Cum | |
| | | 2 | 30.00 | 0.15 | 0.50 | = 4.50 Cum | |
| | | 2 | 30.00 | 0.15 | 0.60 | = 5.40 Cum | |
| | **Covering Slab** | 2 | 30.00 | 0.15 | 0.65 | = 5.85 Cum | |
| | | 2 | 5.60 | 0.15 | 0.65 | = 1.09 Cum | |
| | **Apoorva Apt opp Road RHS** | 1 | 30.00 | 1.00 | 0.10 | = 3.00 Cum | |
| | | 1 | 30.00 | 1.00 | 0.10 | = 3.00 Cum | |
| | | 1 | 30.00 | 1.00 | 0.10 | = 3.00 Cum | |
| | **Apoorva Apt opp Road LHS** | 1 | 5.60 | 1.00 | 0.10 | = 0.56 Cum | |
| | | 1 | 30.00 | 1.00 | 0.10 | = 3.00 Cum | |
| | **Culverts** | 1 | 7.20 | 1.80 | 0.23 | = 2.98 Cum | |
| | | 1 | 7.00 | 1.80 | 0.23 | = 2.90 Cum | |

Executive Engi
Byatarayanapura Di
Yelahanka Zone, B.B
Bangalore - 560 06

Assistant
Vidyaranyapura Civil Division

M. A. R. 57 (Rule 116)
Measurement Book

No. B

From..... To..... 251369

Description of nature of Agency .....

Description of work .....

| Description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|
| | Number | Length | Breadth | Depth | | |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | Total = | 80.65 Cum | |
| | @ RS 5639.76 | | | | RS 454847.00 | |
| T.M.T Steel reinforcement for R.C.C work including Straightening, Cutting, bending, hooking placing in position lapping for including wastage | | | | | | |
| Ref Work Page No - 251397 | | | | = | 64.52 QTL | |
| Ref M.B. No - 2514 | @ RS 7450.92 | | | | RS 480733.00 | |

Assistant Executive Engineer
Vidyaranyapura Sub Division

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Refer to M Measur |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9) | Lead for Disposal of Debris shall be payable at carriage rate by Mechanical means including loading and unloading | | | | | | |
| | Qty vide Item No 01 | | | | | = 192.32 Cum | |
| | @ Rs 100.07 | | | | | Rs | 19245.0 |
| 10) | Add L.S. for Third Party Inspection Charges | | | | | Rs | 13387.0 |
| 11) | Add L.S. for K.R.I.D.L Service charges | | | | | Rs | 147261.0 |
| | | | | | | Total Rs | 1499384 |
| | | | | | | Bodhan AE 28/8/2014 | |

28/8/14

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251370

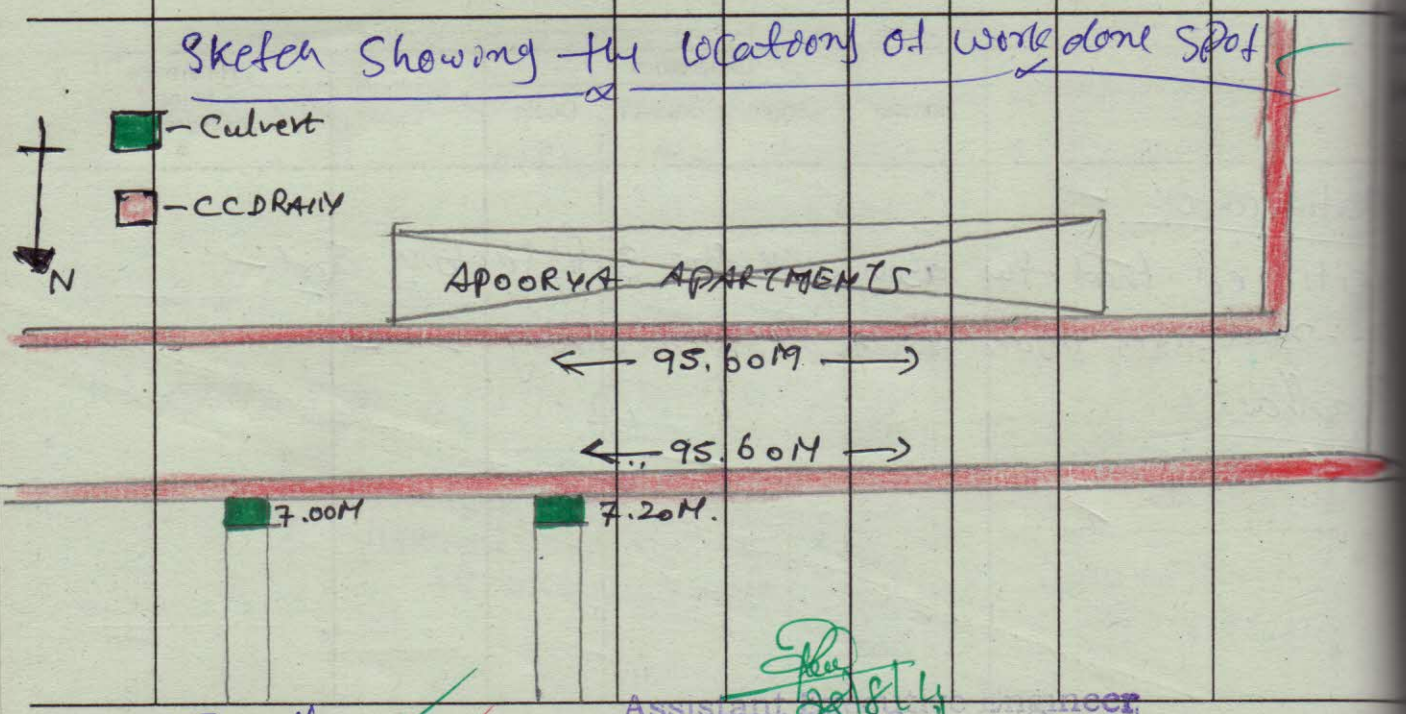
Work .....
Sub Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|
| | Number | Length | Breadth | Depth | | |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Certificate<br>Certified that the above work done satisfactory and materials issued from departmentally<br>Today<br>28/8/2014 | | | | | | |

28/8/14
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |




Bodha
AE

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97